

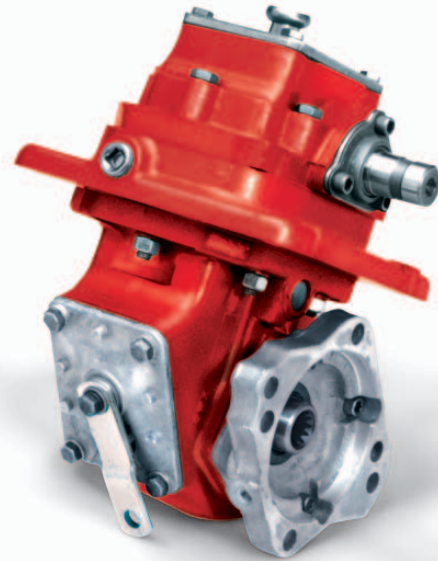
# Chelsea® 2442 Series

Two Gear Gearbox for Engine Driven Applications



## Overview:

The Chelsea 2442 P.T.O. is another example of why Chelsea P.T.O. technology is the best in the business. This front mounted gear box is comprised of the rugged Chelsea 442 and 100 Series P.T.O.s. This unit is designed to operate from the crankshaft of the engine. This economical workhorse features a cast iron housing and tapered cone bearing on the output shaft, giving it a high torque rating and long service life. The space saving air shift cover provides maximum clearance under the truck. The 2442 has strong tapered bearings instead of needle bearings for greater load bearing capability. Twenty-nine output options including Chelsea's popular 360° rotatable flange, seven internal speed ratios and ten shift options make this one versatile gearbox. Take advantage of over 65 years of Chelsea P.T.O. technology to increase performance and lower costs.



- Snow & Ice Removal
- Spreaders
- Refuse

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## Product Features and Benefits:

- The economical 2442 Series is a manual shift P.T.O.
- Operator must stop the engine before shifting
- Available in 7 different speed ratios ranging from 39% to 123% of engine speed
- 10 shift options available
- 29 output options
- Two Year Warranty



ENGINEERING YOUR SUCCESS.

# Model Number Designator

**2442 Q - W 1 XD**

Basic Model  
2442

**Gear Ratio**

- F = 39% of Input
- L = 50% of Input
- Q = 54% of Input
- S = 74% of Input
- U = 89% of Input
- W = 104% of Input
- X = 123% of Input

**Shift Option**

- A = Air Shift\*
- V = Air Shift Less Installation Kit
- \*\*S = P.T.O. & Pump Combo Valve
- \*\*T = Combo Valve Less Kick-out & Neutral Spring Return
- W = Cable Shift\*
- C = Heavy Duty Bracket Less Cable
- M = Constant Mesh
- \*P = 12 Volt Electric Over Air
- X = Less Cable & Knob
- H = Less Wire Shift Cover

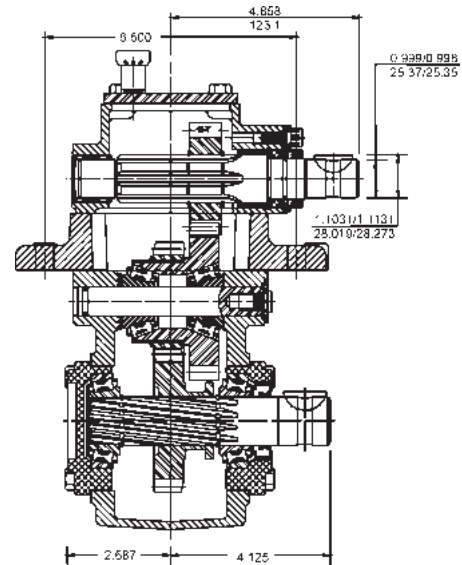
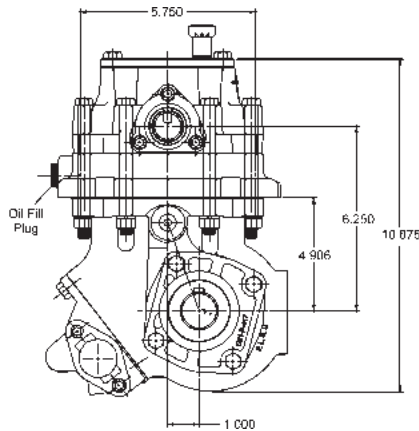
**Assembly Arrangement**

1, 2

**Output Designation**

- XD = 1-1/4" Rd Standard Shaft
- XE = S.A.E. "A" 2 or 4-Bolt 5/8" - 9T
- XG = S.A.E. "A" 2-Bolt 3/4" Rd
- XJ = S.A.E. "A" 2-Bolt 3/4" Rd
- XK = S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
- XQ = S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
- XR = Chelsea Special 7/8" - 13T
- XX = Tapered Output Shaft
- XY = DIN 5462 8T
- AK = S.A.E. "B" 2-Bolt 7/8" - 13T
- AF = S.A.E. "BB" 2 or 4-Bolt 1" - 15T
- AZ = S.A.E. "B" 4-Bolt 1-1/4" - 14T
- RA = Rotatable S.A.E. "B" 2-Bolt 7/8" - 13T
- RB = Rotatable S.A.E. "B" 4-Bolt 7/8" - 13T
- RC = Rotatable S.A.E. "A" 2-Bolt 5/8" - 9T
- RD = Rotatable S.A.E. "A" 2-Bolt 7/8" - 13T
- RE = Rotatable S.A.E. "BB" 4-Bolt 1" - 15T
- RF = Rotatable S.A.E. "BB" 2-Bolt 1" - 15T
- RY = Rotatable DIN 5462 8T
- GA = Greaseable Rotatable "B" 2-Bolt 7/8" - 13T
- GB = Greaseable Rotatable "B" 4-Bolt 7/8" - 13T
- GF = Greaseable S.A.E. "BB" 2 or 4-Bolt 1" - 15T
- GH = Greaseable Rot. S.A.E. "BB" 2-Bolt 1" - 15T
- GK = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
- GP = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
- GQ = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
- GR = Greaseable Chelsea Special 7/8" - 13T
- GY = Greaseable DIN 5462 8T
- GZ = Greaseable S.A.E. "B" 4-Bolt 1-1/4" - 14T

\* Includes mounting parts  
\*\* Includes installation kit, console sold separately



## Series Specifications Chart – Crankshaft-Driven P.T.O.s

	2442*F	2442*L	2442*Q	2442*S	2442*U	2442*W	2442*X
Percent of Engine Speed	39%	50%	54%	74%	89%	104%	123%
Standard Output Shaft Size	1-1/4" Round w/key						
Intermittent Torque Rating (Lbs. ft.)	250	250	225	170	140	120	100
Intermittent Torque Rating (N.m.)	339	339	305	230	190	163	136
<b>Horsepower Rating for Intermittent Service</b>							
At 500 R.P.M. of Output Shaft (HP)	24	24	21	16	13	11	10
At 1000 R.P.M. of Output Shaft (HP)	48	48	43	32	27	23	19
At 500 R.P.M. of Output Shaft (Kw)	18	18	16	12	10	9	7
At 1000 R.P.M. of Output Shaft (Kw)	36	36	32	24	20	17	14
Approximate Weight:	69 lbs. [31 kg]						

